

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: June 20, 2006

Inspector: Diana Walden

Location: Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

Storm/

Rain Event: Between 0.14-0.7" of rain was recorded over 6/19-6/20 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- Hoyts Hill: Access is gained off Hoyts Hill Road. This area may need to be regraded in order to direct water to the catch basin. Run-off is channeling over the slope and re-forming the washouts and gullies. 6/7-6/20/06.	- Look at the design to determine if grades were not met and consider berming or grading the area so water is directed appropriately. 6/7-6/20/06.	-Needs attention.
	- A concrete washout was also noted at the top of slope. 6/14-6/20/06	-It is unclear which section of the project is responsible. 6/14-6/20/06	- Needs attention
	- Archers Lane: Water levels at the wetland crossings on the access road to the ROW remain below problem levels. 6/20/06.	-Crossings are in good shape and the silt fence has been recently repaired. 6/20/06.	-Silt fence was repaired in most spots. Remaining areas are ROW jurisdiction.
	- The repaired silt fence along the access road continues to hold back a significant amount of turbid run-off from the wetland. 6/14-6/20/06	- Continue to monitor and repair when necessary. 6/20/06	- N/A
	-Slopes remain disturbed along the access road where 345kV trenching	-The area should be restored after vault access and work here is	- Needs attention when work is complete

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	<p>occurred. 4/26-6/20/06</p> <p>- Silt fence near the stone wall was filtering pooled, turbid run-off. Additional haybales may still be necessary. 6/14-6/20/06</p> <p>- Norwalk Junction: Sediment tracking did not appear to be an issue at this time. 345kV work had returned to the area. 5/25-6/20/06.</p>	<p>complete. 5/4-6/20/06</p> <p>- Place haybales in this spot for additional filtration and control. 6/14-6/20/06</p> <p>-Continue to monitor Rt. 7 at the main access pad. 345kV contractors have installed silt fence at their stockpiles. 6/20/06.</p>	<p>- Silt fence was repaired.</p> <p>-N/A</p>
Foundation construction	<p>- At Hoyts Hill: A number of timber mats were placed for access across the wetland at the base of the slope at Rt 58. 6/20/06.</p> <p>- Active work continued on the structures on the pad. 6/14-6/20/06</p> <p>-At Archers Lane, some work will continue on scaffolding, foundations and structures. Overhead crews were pulling wire. 6/20/06</p> <p>-At Norwalk Junction: Work continues on the forms, foundations, and structure installations in the station pad. 3/15-6/20/06.</p> <p>- The adjacent storage center built an earthen/fabric berm along the silt fence adjacent to the site. 5/25-6/20/06</p>	<p>-This does not appear to be 345kV XLPE related. Continue to monitor. 6/20/06.</p> <p>- None at this time. See erosion control section. 6/20/06</p> <p>- None at this time. The area is contained. 6/1-6/20/06</p> <p>- None at this time, the area is contained. See erosion control section for more information. 6/20/06.</p> <p>- This is not project related/jurisdictional or covered under the permit held by NU. 5/25-6/20/06</p>	<p>-N/A</p> <p>- N/A</p> <p>-N/A</p> <p>- N/A</p> <p>- N/A – not project jurisdictional</p>
Erosion and Sediment Controls	<p>-Hoyts Hill: The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-6/20/06.</p>	<p>-Monitor and maintain the fence as necessary. 4/6-6/20/06 Vegetation is growing very well in the adjacent wetland 6/20/06</p>	<p>- N/A</p>

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Erosion and Sediment Controls continued	<ul style="list-style-type: none"> -The gullies in the southern slope are worsening and re-forming even with the recent repairs. 5/17-6/20/06. - Water running down the driveway area is not reaching the catch basin and is channeling down the slope. 6/14-6/20/06 - A concrete truck had washed out at the top of slope and washout water run down the outlet pad to the edge of wetlands. 6/14-6/20/06 - Archers Lane: Silt fence along the access road at the 1st wetland was holding back significant amounts of pooled run-off. 6/14-6/20/06 	<ul style="list-style-type: none"> -The area will need to be repaired and possible placed with erosion control mats or the pad should be extended. 6/14-6/20/06. - Consider reshaping the area so water runs to the appropriate area. 6/14-6/20/06 - This is now within the stones of the pad and should be cleaned out, as well as off the slope. Concrete drivers should all be reminded about this . 6/14-6/20/06 -Continue to monitor the fence integrity carefully and repair whenever necessary. 6/14-6/20/06 	<ul style="list-style-type: none"> - Needs attention -Needs attention - It is unclear which section of the project is responsible for cleanup but it needs attention. -N/A at this time
	<ul style="list-style-type: none"> -Efforts will be made during good weather to remove the accumulated sediment which remains in this wetland. 4/26-6/20/06. - A spot along the silt fence on the access drive in the ROW needs repair as stone washed over and built up here adjacent to the 2nd wetland crossing. 5/17-6/20/06 -Restoration efforts will be necessary along the disturbed slopes of the access road from Diamond Hill. 4/26-6/20/06 - The silt fence at the 	<ul style="list-style-type: none"> -Any easily accessible deposits of sediment need to be removed. It's unclear whether this had occurred. 6/14-6/20/06 - Repair fence and pull back stone as needed. Another spot is filling up but not overtopped. 5/17-6/20/06 - AL contractors will likely need to perform restoration when work is complete here. 5/4-6/20/06 - Install haybales here for 	<ul style="list-style-type: none"> -May still need attention. - Needs attention (but may be overhead jurisdiction) - N/A at this time. - Needs attention if

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	<p>base of the access road near the stonewall was filtering pooled run-off. 6/20/06</p> <p>- Silt fence at the top of slope where process had been stored previously was repaired. 6/20/06</p>	<p>additional control if feasible. 6/20/06</p> <p>-None at this time. 6/20/06</p>	<p>feasible</p> <p>- Silt fence was repaired</p>
Erosion and Sediment Controls continued	<p>- Norwalk Junction: Perimeter silt fence and haybales remain in good shape along the river. 5/17-6/20/06.</p> <p>- The swale slopes remain in good shape and there is improved grass coverage. 6/20/06.</p> <p>-The wetland area outside the silt fence adjacent to the river contains accumulated sediment, despite the haybales in place at the culvert. 6/7-6/20/06</p> <p>-Some sediment accumulation was present in the swale due to adjacent disturbed areas and dewatering. 6/7-6/20/06</p>	<p>- None at this time. Continue to monitor controls. 5/17-6/20/06.</p> <p>-None at this time. Continue to monitor. Maintain when needed 6/20/06.</p> <p>- The silt is contained and does not reach the river. Wetland vegetation was also noted growing here, but silt has built up at the stone outlet and should be removed by hand. 6/1-6/20/06</p> <p>Continue to improve water quality to the swale. Maintain/ remove sediment when feasible. 6/1-6/20/06.</p>	<p>-N/A</p> <p>- N/A</p> <p>- Needs attention</p> <p>- Needs attention if feasible (345kV contractors will be removing some)</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>- Hoyts Hill: The wetland remains well protected at this time. 4/6-6/20/06.</p> <p>-Archers Lane: Watch run-off velocity down the completed slopes and walls. Efforts may still be needed to remove deposited sediment from the 1st wetland crossing even though controls are</p>	<p>-Continue to monitor this area until slopes are stabilized completely. Vegetation is growing well 6/20/06.</p> <p>- Remove the sediment from the wetland where there are significant buildups. It is unclear whether this was attempted. At least one area of silt remains. 6/20/06.</p>	<p>- N/A.</p> <p>- Needs attention when feasible.</p> <p>-Needs attention when feasible</p>

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	in good shape. 6/20/06. - Norwalk Junction: The outlet of the drainage swale is at the headwall of the wetland area. Wetland vegetation was growing but silt has accumulated 6/14-6/20/06	- Reduce turbidity by controlling its source-disturbed surfaces and dewatering on site. The area does not seem affected but deeper sediment buildup at the outlet should be removed. 5/25-6/14/06.	
State species of concern, threatened and endangered species	- No species of concern are located in these areas of construction.	- N/A	-N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- Hoyts Hill: During the rain, it was apparent that the southern slope gullies were re-forming. 6/7-6/14/06. - Mats are placed for access at the wetland off Rt 58. 6/20/06 - Archers Lane: no additional clearing was noted here. 6/14/06. - Norwalk Junction: - Vegetative growth continued in the area between the silt fence and the river. 6/14/06.	- See erosion control section. 6/7-6/14/06. - Continue to monitor and do not access the wetland without mats. 6/20/06 -None at this time. 6/14/06. - Continue to monitor and restore perimeter surfaces. 6/1-6/14/06.	-Needs attention -N/A -N/A -N/A
Dewatering Hoyts Hill Archers Lane Norwalk Junction	-Dewatering was no longer noted here. The old filter bag remains by the silt fence. 6/14-6/20/06 - Active dewatering was not noted. 6/20/06 -Active dewatering was not noted to the swale for but haybales are in place. Some accumulated silt will be removed by	-Remove the old filter bag from site when feasible. 6/14-6/20/06. - The silt fence appeared to be filtering the water well. None at this time. 5/25-6/20/06. -Maintain controls as needed whenever dewatering is occurring and prior to rain events. 5/25-6/20/06.	-Needs attention when feasible -N/A -Some sediment accumulation will be removed

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	345kV crews. 6/20/06.		
Blasting	- All blasting is complete at this time. 6/20/06	- None at this time.	-N/A
Soils	- Some soil remains at the Archers Lane site from excavations but it is well contained. 6/20/06	- None at this time 6/20/06.	-N/A
	- A number of soil stockpiles remain at Norwalk Junction as excavation continues. Large stockpiles have silt fence installed at the base. 5/4-6/20/06.	- Stockpiles remain contained. See erosion control section. 6/20/06. -345kV contractors have placed controls at their stockpiles near the entrance to Norwalk	-N/A
Spills and Material Storage	- Concrete washout was noted at the Hoyts Hill slope off the driveway. It tracked along the slope to the edge of wetlands and should be removed. Remind drivers about using contained, designated areas. 6/14-6/20/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Report spills immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.	-Needs attention-should be cleaned up. The jurisdiction is unclear.
Additional Observations			

Next likely scheduled inspection:

Wednesday June 28, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



Hoyts Hill Transition Station: Photo on the left shows an overview of the pad where some structure work was occurring. Photo on the right shows where an old filter bag remains from previous dewatering. This should be removed and disposed of when feasible. 6/20/06



Both photos show where the concrete washout had run down through the existing gullies, into the outlet pad and eventually to the edge of the wetlands. This should be cleaned up and the gullies restored again. 6/20/06.



Archers Lane: Photo on the left shows the repaired silt fence at the Diamond Hill Rd entrance. A few haybales here will provide additional control but the fence is currently filtering the run-off. Photo on the right shows where silt fence was repaired near the top of slope. 6/20/06.



Photo on the left shows ongoing work on the station pad. Crews were pulling wire at the time. Photo on the right shows the restored silt fence, retaining and filtering run-off. It is unclear if efforts were made to remove the accumulated sediment. Some remains in the wetland. 6/20/06.



Norwalk Junction: Photo on the left shows a view of the station. Some buildings have been placed permanently on posts in response to flooding events. Photo on the right shows a view of the swale and the increasing vegetation. 6/20/06.



Photo on the left shows the wetland area at the end of the swale where sediment accumulation is noticeable. Sediment should be carefully removed by hand from this area. Photo on the right shows the area along the river with silt fence remaining in place. 6/20/06.